



05-26-05

#1647

PTO/SB/21 (09-04)

Approved for use through 07/31/2006, OMB 0651-0031

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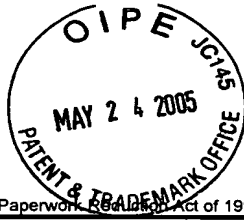
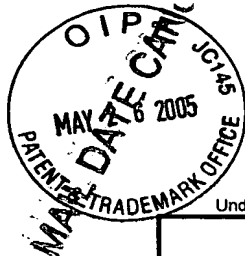
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/010942-Conf. #5594
	Filing Date	December 6, 2001
	First Named Inventor	Guriq BASI
	Art Unit	1647
	Examiner Name	C. J. Nichols
Total Number of Pages in This Submission	Attorney Docket Number	ELN-002

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): Return Receipt Postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	LAHIVE & COCKFIELD, LLP		
Signature			
Printed name	Debra J. Milasincic		
Date	May 24, 2005	Reg. No.	46,931

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 418604100 US, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.	
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PTO/SB/17 (12-04v2)
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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FREE TRANSMITTAL

For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

Application Number	10/010942-Conf. #5594
Filing Date	December 6, 2001
First Named Inventor	Guriq BASI
Examiner Name	C. J. Nichols
Art Unit	1647
Attorney Docket No.	ELN-002

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____
☒ Deposit Account Deposit Account Number: **12-0080** Deposit Account Name: **Lahive & Cockfield, LLP**

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**
_____ - 20 = _____ x _____ = _____

Multiple Dependent Claims
Fee (\$) **Fee Paid (\$)**

Indep. Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**
_____ - 3 = _____ x _____ = _____

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets **Extra Sheets** **Number of each additional 50 or fraction thereof** **Fee (\$)** **Fee Paid (\$)**
_____ - 100 = _____ / 50 _____ (round up to a whole number) x _____ = _____

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): **1806 Submission of an Information Disclosure Statement** 180.00

SUBMITTED BY	
Signature	Registration No. 46,931 Telephone (617) 227-7400
Name (Print/Type)	Date May 24, 2005

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Dated: May 24, 2005

Signature: 
(Debra J. Milasincic)

Docket No.: ELN-002
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Guriq Basi *et al.*

Application No.: 10/010942

Filed: December 6, 2001

For: HUMANIZED ANTIBODIES THAT
RECOGNIZE BETA AMYLOID PEPTIDE



Confirmation No.: 5594

Art Unit: 1647

Examiner: C. J. Nichols

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicant(s) and their Attorney are aware of the following publications, listed on the attached PTO Form SB/08, and in accordance with 37 CFR 1.97 hereby submit these publications for the Examiner's consideration. A copy of each cited publication is enclosed.

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, Applicant(s) understand(s) that the Examiner will make an independent evaluation of the cited publications.

05/27/2005 RFEKADU1 00000008 120080 10010942 -

01 FC:1806 180.00 DA

In accordance with 37 CFR §1.97(c)(2) and §1.17(p), please charge the \$180.00 submission fee to our Deposit Order Account No. 12-0080. Please charge any necessary additional fees or credit any overpayments to our Deposit Order Account No. 12-0080.

Dated: May 24, 2005

Respectfully submitted,

By 

Debra J. Milasincic

Registration No.: 46,931

LAHIVE & COCKFIELD, LLP

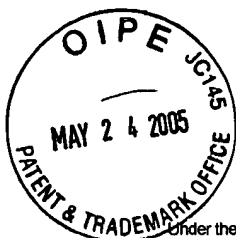
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Attorney/Agent For Applicant



PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/010942
				Filing Date	December 6, 2001
				First Named Inventor	Guriq Basi <i>et al.</i>
				Art Unit	1647
				Examiner Name	C.J. Nichols
Sheet	1	of	4	Attorney Docket Number	ELN-002

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	606	5,593,846	01-14-1997	Schenk et al.	
	607	5,837,672	11-17-1998	Schenk et al.	
	610	2002/0102261 A1	08-01-2002	Raso	
	611	2002/0136718 A1	09-26-2002	Raso	
	612	2003/0147882 A1	08-07-2003	Solomon et al.	
	616	5,096,706	03-17-1992	Flint	
	630	6,750,324	06-15-2004	Schenk et al.	
	631	6,787,637	09-07-2004	Schenk et al.	
	638	4,912,206	03-27-1990	Goldgaber et al.	
	639	6,875,434	04-05-2005	Schenk	
	640	6,866,849	03-15-2005	Schenk	
	641	6,866,850	03-15-2005	Schenk	
	642	6,818,218	11-16-2004	Schenk	
	643	6,761,888	07-13-2004	Schenk	
	644	6,743,427	06-01-2004	Schenk	
	645	5,576,184	11-19-1996	Better et al.	
	649	2004/0241164 A1	12-02-04	Bales et al.	
	650	2004/0265919 A1	12-30-04	Vanderstichlele et al.	
	651	5,589,154	12-31-96	Anderson	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	608	WO 00/72880 A2, A3	12-07-2000	Neurolab Limited		
	609	WO 00/72876 A2, A3	12-07-2000	Neurolab Limited		
	623	WO 00/23082 A1	04-27-2000	Yeda Research & Develop.		
	624	WO 02/088306 A2	11-07-2002	Eli Lilly & Co.		
	625	WO 02/088307 A2	11-07-2002	Eli Lilly & Co.		
	632	PCT Search Report for application PCT/US04/02856	N/A	Neurolab Limited		
	646	WO 04/031400 A2	04-15-2004	NorthWestern Univer.		
	647	WO 04/013172 A2, A3	02-12-2004	Innogenetics N.V.		
	652	WO 2004/080419 A3	09-23-2004	Neurolab Limited et al.		
	653	PCT Search Report for application PCT/US03/07715	N/A	Neurolab Limited et al.		

Examiner Signature		Date Considered	
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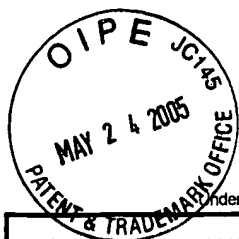
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				First Named Inventor	Guriq Basi <i>et al.</i>
				Art Unit	1647
				Examiner Name	C.J. Nichols
Sheet	2	of	4	Attorney Docket Number	ELN-002

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	593	CHEN et al., "A learning deficit related to age and beta-amyloid plaques in a mouse model of Alzheimer's disease," <i>Nature</i> , 408(6815):975-979 (2000).	
	594	JANUS et al., "A beta peptide immunization reduces behavioural impairment and plaques in a model of Alzheimer's disease," <i>Nature</i> , 408(6815):979-982 (2000).	
	595	MATTSON, "Cellular actions of beta-amyloid precursor protein and its soluble and fibrillogenic derivatives," <i>Physiol Rev.</i> , 77(4):1081-132 (1997).	
	596	MERLUZZI, et al., "Humanized antibodies as potential drugs for therapeutic use," <i>Adv Clin Path.</i> , 4(2):77-85 (2000).	
	597	MORGAN, et al., "A beta peptide vaccination prevents memory loss in an animal model of Alzheimer's disease," <i>Nature</i> , 408(6815):982-985 (2000).	
	598	SCHENK et al., "Immunotherapy with beta-amyloid for Alzheimer's disease: a new frontier," <i>DNA Cell Biol.</i> , 20(11):679-81 (2001).	
	599	SELKOE, "The cell biology of beta-amyloid precursor protein and presenilin in Alzheimer's disease," <i>Trends Cell Biol.</i> , 8(11):447-53 (1998).	
	600	SIGURDSSON, et al., "In vivo reversal of amyloid-beta lesions in rat brain," <i>J Neuropathol Exp Neurol.</i> , 59(1):11-17 (2000).	
	601	SINHA, et al., "Recent advances in the understanding of the processing of APP to beta amyloid peptide," <i>Ann N Y Acad Sci.</i> , 920:206-8 (2000).	
	602	SOTO et al., "Beta sheet breaker peptides inhibit fibrillogenesis in a rat brain model of amyloidosis: implications for Alzheimer's therapy," <i>Nature Medicine.</i> , 4(7):822-826 (1998).	
	603	VEHMAS et al., "beta-Amyloid peptide vaccination results in marked changes in serum and brain Abeta levels in APPsw/PS1 DeltaE9 mice, as detected by SELDI-TOF-based ProteinChip® technology," <i>DNA Cell Biol.</i> , (11):713-721 (2001).	
	604	DU et al., "Reduced levels of amyloid beta-peptide antibody in Alzheimer disease," <i>Neurology</i> , 57(5):801-5 (2001).	
	605	SMALL et al., "Alzheimer's disease and Abeta toxicity: from top to bottom," <i>Nat Rev Neurosci.</i> , 2(8):595-8 (2001).	
	613	MASLIAH et al., "Comparison of Neurodegenerative Pathology in Transgenic Mice Overexpressing V717F beta-Amyloid Precursor Protein and Alzheimer's Disease," <i>J. Neuroscience</i> , 16(18):5795-5811 (1996).	

Examiner Signature		Date Considered	
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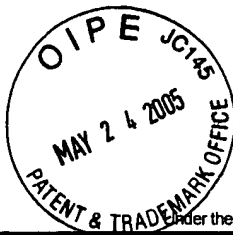
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			Art Unit	1647
			Examiner Name	C.J. Nichols
			Attorney Docket Number	ELN-002
Sheet	3	of	4	

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Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	614	IRIZARRY et al., "A β Deposition Is Associated with Neuropil Changes, but not with Overt Neuronal Loss in the Human Amyloid Precursor Protein V717F (PDAPP) Transgenic Mouse," <u>J. Neuroscience</u> , 17(18):7053-7059 (1997).	
	615	KAYED et al., "Conformational Transitions of Islet Amyloid Polypeptide (IAPP) in Amyloid Formation <i>In Vitro</i> ," <u>J. Mol. Biol.</u> , 287:781-796 (1999).	
	617	SOLOMON, B., "Immunological approaches as therapy for Alzheimer's disease," <u>Expert Opin. Biol. Ther.</u> , 2(8):907-917 (2002).	
	618	BARD et al., "Epitope and isotype specificities of antibodies to β -amyloid peptide for protection against Alzheimer's disease-like neuropathology," <u>PNAS</u> , 100(4):2023-2028 (2003).	
	619	LEVERONE et al., "A β 1-15 is less immunogenic than A β 1-40/42 for intranasal immunization of wild-type mice but may be effective for 'boosting'," <u>Vaccine</u> , 21:2197-2206 (2003).	
	620	SIGURDSSON et al., "Immunization with a Nontoxic/Nonfibrillar Amyloid- β Homologous Peptide Reduces Alzheimer's Disease-Associated Pathology in Transgenic Mice," <u>Am. J. Pathology</u> , 159(2):439-447 (2001).	
	621	LEMERE et al., "Intranasal immunotherapy for the treatment of Alzheimer's disease: <i>Escherichia coli</i> LT and LT(R192G) as mucosal adjuvants," <u>Neurobiology of Aging</u> , 23(6):991-1000 (2002).	
	622	KETTLEBOROUGH et al., "Humanization of a mouse monoclonal antibody by CDR-grafting: the importance of framework residues on loop conformation," <u>Protein Engineering</u> , 4(7):773-783 (1991).	
	626	BENJAMINI et al., from <i>IMMUNOLOGY A Short Course</i> , Second Edition, pages 136-138, 143, 73-74, 372-373, and 400-401, 1991, published by Wiley-Liss, Inc., New York, New York.	
	627	HERLYN et al., "Monoclonal antibodies in cell-mediated cytotoxicity against human melanoma and colorectal carcinoma*," <u>Eur. J. Immunol.</u> , 9:657-659 (1979).	
	628	JAHLING et al., "Opsonization of Alphaviruses in Hamsters," <u>J. Medical Virology</u> , 12:1-16 (1983).	
	629	BELLOTTI et al., "Application of Monoclonal Anti-idiotypes in the Study of AL Amyloidosis: Therapeutic Implications," <u>Renal Failure</u> , 15(3):365-371 (1993).	
	633	FRAZER et al., "Immunoglobulins: Structure and Function," chapter 3, pages 37-74 from <i>Fundamental Immunology</i> , fourth edition, W.E. Paul, eds., Lippincott-Raven publishers, Philadelphia (1999).	
	634	CHOTHIA et al., "Domain Association in Immunoglobulin Molecules," <u>J. Mol. Biol.</u> , 186:651-663 (1985).	
	635	WU et al., "An Analysis of the Sequences of the Variable Regions of Bence Jones Proteins and Myeloma Light Chains and their Implications for Antibody Complementarity*," <u>J. Exp. Med.</u> , 132:211-250 (1970).	
	636	NOVOTNY et al., "Structural invariants of antigen binding: Comparison of immunoglobulin V _L -V _H and V _L -V _L domain dimers," <u>PNAS</u> , 82:4592-4596 (1985).	

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				First Named Inventor	Guriq Basi <i>et al.</i>
				Art Unit	1647
				Examiner Name	C.J. Nichols
Sheet	4	of	4	Attorney Docket Number	ELN-002

NON PATENT LITERATURE DOCUMENTS			
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	637	VERSHIGORA A. E. OBESHCHAYA IMMYNOLOGIYA, pages 35, 229-231 and 152-153.	
	648	Zlokovic BV, <i>et al.</i> , Proc Natl Acad Sci USA., 1996 Apr 30;93(9):4229-34.	

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